

03451690 NEWFOUND CREEK NEAR ALEXANDER, NC

LOCATION.--Lat 35°39'58", long 82°38'04", Buncombe County, Hydrologic Unit 06010105, on left bank 21 ft downstream from bridge on Secondary Road 1641, 0.9 mi above mouth, and 2.6 mi southwest of Alexander.

DRAINAGE AREA.--34.2 mi².

PERIOD OF RECORD.--December 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,910 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	5.9	6.4	e7.8	11	e7.8	38	27	6.7	6.1	3.0	3.3
2	6.2	6.0	6.4	e7.8	11	9.7	25	13	6.3	21	3.6	3.1
3	6.1	6.0	6.3	e7.8	10	10	20	13	7.0	10	3.6	2.8
4	6.0	6.2	6.3	e7.5	9.7	7.9	16	29	16	16	3.0	2.8
5	6.0	6.1	6.4	e7.5	9.1	e7.5	15	19	29	9.5	2.9	2.8
6	6.2	5.9	6.5	14	9.9	e7.5	13	15	26	6.5	2.7	2.6
7	6.0	5.9	6.6	11	14	e7.5	12	12	15	5.7	2.4	2.4
8	5.8	6.0	6.7	e8.8	12	7.5	11	11	9.4	5.3	2.0	2.4
9	6.0	5.9	6.8	e8.8	10	7.8	12	10	8.5	5.0	2.1	2.3
10	5.8	5.9	10	9.0	10	8.0	13	10	7.8	6.0	2.1	2.2
11	6.0	5.9	16	9.5	9.7	7.3	11	10	7.2	7.5	2.2	2.0
12	6.3	5.7	8.5	8.6	9.5	8.3	10	9.5	6.8	5.3	2.2	2.1
13	6.5	5.9	11	8.8	9.5	10	10	15	7.1	16	2.0	1.9
14	13	6.0	9.5	e8.5	9.0	8.7	9.9	14	7.1	11	1.8	2.7
15	8.3	6.0	8.1	e8.5	8.9	8.1	9.8	9.8	6.8	8.9	2.7	6.0
16	6.7	6.0	7.5	8.4	8.9	9.8	9.4	9.3	6.0	6.4	4.1	4.5
17	6.4	6.0	13	8.5	8.5	47	9.2	8.9	5.8	5.6	3.1	3.3
18	6.4	6.0	18	8.5	8.4	36	9.1	12	5.3	5.1	3.0	3.3
19	6.5	6.1	10	40	8.4	26	8.9	9.4	5.0	4.7	2.7	3.4
20	6.6	6.1	8.9	34	8.8	22	8.6	9.0	6.0	4.6	2.8	3.1
21	6.5	5.8	8.3	25	8.6	20	8.3	8.8	6.3	4.5	2.4	6.7
22	6.5	6.1	8.0	19	8.2	17	8.1	8.7	5.0	4.0	1.9	24
23	6.5	6.4	8.1	50	8.1	15	7.5	8.5	4.9	6.6	1.9	11
24	6.2	9.0	8.6	35	7.9	14	7.5	8.3	5.2	7.6	2.3	5.2
25	7.2	11	7.9	50	7.9	13	17	7.9	4.8	8.8	2.4	7.5
26	6.0	7.4	e7.9	26	7.8	14	8.9	7.7	6.5	7.3	3.8	26
27	5.6	6.8	e7.8	20	e7.8	13	8.4	9.2	46	4.5	18	29
28	5.8	6.5	e7.8	17	e7.8	12	8.4	8.3	18	4.1	7.3	11
29	5.9	6.5	7.7	15	---	11	8.1	7.4	9.6	3.9	3.9	7.5
30	5.9	6.7	e7.8	13	---	47	7.5	7.2	7.0	3.4	3.6	6.4
31	5.9	---	e7.8	12	---	45	---	7.0	---	3.3	3.4	---
TOTAL	201.1	191.7	266.6	515.3	260.4	485.4	360.6	354.9	308.1	224.2	104.9	193.3
MEAN	6.487	6.390	8.600	16.62	9.300	15.66	12.02	11.45	10.27	7.232	3.384	6.443
MAX	13	11	18	50	14	47	38	29	46	21	18	29
MIN	5.6	5.7	6.3	7.5	7.8	7.3	7.5	7.0	4.8	3.3	1.8	1.9
CFSM	0.19	0.19	0.25	0.49	0.27	0.46	0.35	0.33	0.30	0.21	0.10	0.19
IN.	0.22	0.21	0.29	0.56	0.28	0.53	0.39	0.39	0.34	0.24	0.11	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
MEAN	6.487	6.390	9.635	15.73	11.48	17.55	14.66	9.953	9.068	7.063	6.044	7.770
MAX	6.49	6.39	10.7	16.6	13.7	19.5	17.3	11.4	10.3	7.23	8.70	9.10
(WY)	2002	2002	2001	2002	2001	2001	2001	2002	2002	2002	2001	2001
MIN	6.49	6.39	8.60	14.8	9.30	15.7	12.0	8.46	7.87	6.89	3.38	6.44
(WY)	2002	2002	2002	2001	2002	2002	2002	2001	2001	2001	2002	2002

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 2001 - 2002

ANNUAL TOTAL	3878.3	3466.5		
ANNUAL MEAN	10.63	9.497	9.497	
HIGHEST ANNUAL MEAN			9.50	2002
LOWEST ANNUAL MEAN			9.50	2002
HIGHEST DAILY MEAN	74	Jan 19	74	Jan 19 2001
LOWEST DAILY MEAN	4.0	Jul 16	1.8	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	4.4	Jul 12	2.1	Aug 8 2002
MAXIMUM PEAK FLOW			156	Jun 27 2001
MAXIMUM PEAK STAGE			3.92	Jun 27 2001
INSTANTANEOUS LOW FLOW			1.2	Aug 23 2002
ANNUAL RUNOFF (CFSM)	0.31		0.28	
ANNUAL RUNOFF (INCHES)	4.22		3.77	
10 PERCENT EXCEEDS	18		16	
50 PERCENT EXCEEDS	8.0		7.8	
90 PERCENT EXCEEDS	5.8		3.2	

e Estimated.

03451690 NEWFOUND CREEK NEAR ALEXANDER, NC--Continued

